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ABSTRACT OF THE DISCLOSURE

10 In a radiation image storage panel composed of a  
phosphor layer produced by vapor phase deposition, the  
phosphor layer is composed of an europium activated cesi-  
um halide stimuable phosphor and exhibits an ultraviolet  
light-excited emission spectrum satisfying the condition  
15 of:

$$0 < S(400-420) < 0.20$$

20 in which  $S(400-420)$  represents a ratio of an amount of a  
light emitted by a luminous component giving an emission  
peak in the region of 400 to 420 nm based on the total  
amount of emitted light.